

Release notes for ENDF/B Development n-090_Th_230
evaluation

ENDF
B-VII.**dev**

April 26, 2017

- groupie Errors:

1. Very small elastic cross section found
0: Small elastic

Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)

ENDF/B Input and Output Data Filenames

ENDFB.IN

ENDFB.OUT

... [97 more lines]

- fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination
resonances / resolved / MultiLevelBreitWigner (Error # 0): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"

2. Potential scattering hasn't converted, you need more L's!
resonances / resolved (Error # 1): potentialScatteringNotConverged

WARNING: Potential scattering hasn't converged by L=0 at E=500.0 eV, xs[0]/xs[0]=100.0% > 0.1%

3. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.20%

4. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 1 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission] [nubar]): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

5. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 3 (total): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

6. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 3 (total): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

7. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 4 (n + Th230): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

8. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 4 (n + Th230): / Form 'eval': / Component 1 (Error # 0): Condition num.
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
9. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 8 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission]): / Form 'eval': / Component 0 (Error # 0): Condition num.
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
10. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 8 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission]): / Form 'eval': / Component 1 (Error # 0): Condition num.
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
11. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 10 (n + (Th230.e1 ->Th230 + gamma)): / Form 'eval': (Error # 0): Condition num.
- WARNING: Ratio of smallest/largest eigenvalue (4.124868e-10) is too small
12. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 11 (n + (Th230.e2 ->Th230 + gamma)): / Form 'eval': (Error # 0): Condition num.
- WARNING: Ratio of smallest/largest eigenvalue (4.058331e-10) is too small
13. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 12 (n + (Th230.e3 ->Th230 + gamma)): / Form 'eval': (Error # 0): Condition num.
- WARNING: Ratio of smallest/largest eigenvalue (5.120309e-09) is too small
14. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 13 (n + (Th230.e4 ->Th230 + gamma)): / Form 'eval': (Error # 0): Condition num.
- WARNING: Ratio of smallest/largest eigenvalue (1.001095e-09) is too small
15. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 14 (n + (Th230.e5 ->Th230 + gamma)): / Form 'eval': (Error # 0): Condition num.
- WARNING: Ratio of smallest/largest eigenvalue (9.581285e-10) is too small

16. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 15 ($n + (Th230.e6 \rightarrow Th230 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (8.014162e-09) is too small

17. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 16 ($n + (Th230.e7 \rightarrow Th230 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (4.591890e-09) is too small

18. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 17 ($n + (Th230.e8 \rightarrow Th230 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (2.725715e-09) is too small

19. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 18 ($n + (Th230.e9 \rightarrow Th230 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (1.167560e-09) is too small

20. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 19 ($n + (Th230.c \rightarrow Th230 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

21. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 20 ($Th231 + \gamma$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

22. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 21 ($n + Th230$ [angular distribution]): / Form 'eval': (Error # 1): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

23. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 22 (n [multiplicity:'energyDependent', emissionMode:'prompt'] + n [emissionMode:'6 delayed'] + γ [total fission] [spectrum]): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

24. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 23 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission] [spectrum]): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

25. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 24 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission] [spectrum]): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

26. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 25 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission] [spectrum]): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

• fudge-4.0 Errors:

1. ENDF format insists that all outgoing fission neutrons, delayed or otherwise, have spectra. For delayed neutrons this is tough.
Reading ENDF file: ../n-090_Th_230.endf (Error # 0): No delayed n dist

WARNING: More than one delayed fission neutron decay time but no MF = 5 data

2. Energy range of data set does not match cross section range
reaction label 10: n + (Th230_c ->Th230 + gamma) / Product: Th230_c / Decay product: gamma_a / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (170000.0 -> 20000000.0) vs (110967.0 -> 20000000.0)

3. Energy range of data set does not match cross section range
reaction label 10: n + (Th230_c ->Th230 + gamma) / Product: Th230_c / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (170000.0 -> 20000000.0) vs (110967.0 -> 20000000.0)

WARNING: Domain doesn't match the cross section domain: (800000.0 -> 20000000.0) vs (110967.0 -> 20000000.0)

WARNING: Domain doesn't match the cross section domain: (300000.0 -> 20000000.0) vs (110967.0 -> 20000000.0)

WARNING: Domain doesn't match the cross section domain: (500000.0 -> 20000000.0) vs (110967.0 -> 20000000.0)

... plus 11 more instances of this message

4. Energy range of data set does not match cross section range
reaction label 10: n + (Th230_c ->Th230 + gamma) / Product: Th230_c / Decay product: gamma_b / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (800000.0 -> 20000000.0) vs (110967.0 -> 20000000.0)

5. Energy range of data set does not match cross section range
reaction label 10: n + (Th230_c ->Th230 + gamma) / Product: Th230_c / Decay product: gamma_c / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (300000.0 -> 20000000.0) vs (110967.0 -> 20000000.0)
6. Energy range of data set does not match cross section range
reaction label 10: n + (Th230_c ->Th230 + gamma) / Product: Th230_c / Decay product: gamma_d / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (500000.0 -> 20000000.0) vs (110967.0 -> 20000000.0)
7. Energy range of data set does not match cross section range
reaction label 10: n + (Th230_c ->Th230 + gamma) / Product: Th230_c / Decay product: gamma_e / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (700000.0 -> 20000000.0) vs (110967.0 -> 20000000.0)
8. Energy range of data set does not match cross section range
reaction label 10: n + (Th230_c ->Th230 + gamma) / Product: Th230_c / Decay product: gamma_f / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (800000.0 -> 20000000.0) vs (110967.0 -> 20000000.0)
9. Energy range of data set does not match cross section range
reaction label 10: n + (Th230_c ->Th230 + gamma) / Product: Th230_c / Decay product: gamma_g / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (680571.0 -> 20000000.0) vs (110967.0 -> 20000000.0)
10. Energy range of data set does not match cross section range
reaction label 10: n + (Th230_c ->Th230 + gamma) / Product: Th230_c / Decay product: gamma_h / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (637684.0 -> 20000000.0) vs (110967.0 -> 20000000.0)
11. Energy range of data set does not match cross section range
reaction label 10: n + (Th230_c ->Th230 + gamma) / Product: Th230_c / Decay product: gamma_i / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (800000.0 -> 20000000.0) vs (110967.0 -> 20000000.0)
12. Energy range of data set does not match cross section range
reaction label 10: n + (Th230_c ->Th230 + gamma) / Product: Th230_c / Decay product: gamma_j / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (637684.0 -> 20000000.0) vs (110967.0 -> 20000000.0)
13. Energy range of data set does not match cross section range
reaction label 10: n + (Th230_c ->Th230 + gamma) / Product: Th230_c / Decay product: gamma_k / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (800000.0 -> 20000000.0) vs (110967.0 -> 20000000.0)

14. Energy range of data set does not match cross section range
reaction label 10: n + (Th230.c ->Th230 + gamma) / Product: Th230.c / Decay product: gamma_l / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (680571.0 -> 20000000.0) vs (110967.0 -> 20000000.0)

15. Energy range of data set does not match cross section range
reaction label 10: n + (Th230.c ->Th230 + gamma) / Product: Th230.c / Decay product: gamma_m / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (800000.0 -> 20000000.0) vs (110967.0 -> 20000000.0)

16. Energy range of data set does not match cross section range
reaction label 10: n + (Th230.c ->Th230 + gamma) / Product: Th230.c / Decay product: gamma_n / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (800000.0 -> 20000000.0) vs (110967.0 -> 20000000.0)

17. Energy range of data set does not match cross section range
reaction label 10: n + (Th230.c ->Th230 + gamma) / Product: Th230.c / Decay product: gamma_o / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (800000.0 -> 20000000.0) vs (110967.0 -> 20000000.0)

18. Calculated and tabulated Q values disagree.
reaction label 11: n[multiplicity:'2'] + Th229 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6830326.179046631 eV vs -6793860. eV!

19. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_a / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

20. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_a / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

21. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_b / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

22. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_b / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

23. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_c / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

24. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_c / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

25. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_d / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

26. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_d / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

27. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_e / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

28. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_e / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

29. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_f / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

30. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_f / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

31. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_g / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

32. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_g / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

33. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_h / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

34. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_h / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

35. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_i / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

36. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_i / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

37. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_j / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

38. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_j / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

39. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_k / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

40. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_k / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

41. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_l / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

42. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_l / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

43. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_m / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

44. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_m / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

45. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_n / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

46. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_n / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

47. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_o / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

48. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_o / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

49. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_p / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

50. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_p / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

51. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_q / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

52. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_q / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

53. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_r / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

54. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_r / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

55. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_s / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

56. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_s / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

57. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_t / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

58. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_t / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

59. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_u / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

60. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_u / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

61. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_v / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

62. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_v / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

63. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_w / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

64. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_w / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

65. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_x / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

66. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_x / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

67. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_y / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

68. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_y / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
69. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_z / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
70. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_z / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
71. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_aa / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
72. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_aa / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
73. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ab / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
74. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ab / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
75. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ac / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
76. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ac / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

77. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ad / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
78. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ad / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
79. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ae / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
80. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ae / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
81. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_af / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
82. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_af / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
83. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ag / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
84. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ag / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
85. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ah / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

86. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ah / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

87. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ai / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

88. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ai / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

89. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_aj / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

90. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_aj / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

91. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ak / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

92. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ak / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

93. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_al / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

94. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_al / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

95. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma__am / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
96. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma__am / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
97. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma__an / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
98. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma__an / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
99. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma__ao / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
100. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma__ao / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
101. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma__ap / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
102. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma__ap / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
103. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma__aq / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

104. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_aq / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
105. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ar / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
106. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ar / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
107. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_as / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
108. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_as / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
109. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_at / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
110. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_at / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
111. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_au / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
112. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_au / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

113. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_av / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
114. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_av / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
115. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_av / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
116. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_av / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
117. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ax / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
118. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ax / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
119. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ay / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
120. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ay / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
121. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_az / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

122. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_az / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
123. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ba / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
124. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ba / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
125. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bb / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
126. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bb / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
127. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bc / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
128. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bc / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
129. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bd / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
130. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bd / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

131. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_be / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

132. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_be / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

133. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bf / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

134. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bf / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

135. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bg / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

136. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bg / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

137. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bh / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

138. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bh / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

139. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bi / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

140. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bi / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
141. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bj / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
142. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bj / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
143. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bk / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
144. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bk / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
145. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bl / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
146. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bl / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
147. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bm / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
148. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bm / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

149. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bn / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

150. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bn / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

151. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bo / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

152. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bo / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

153. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bp / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

154. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bp / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

155. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bq / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

156. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bq / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

157. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_br / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

158. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_br / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

159. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bs / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

160. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bs / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

161. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bt / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

162. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bt / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

163. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bu / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

164. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bu / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

165. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bv / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

166. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bv / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

167. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bw / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
168. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bw / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
169. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bx / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
170. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bx / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
171. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_by / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
172. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_by / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
173. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bz / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
174. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_bz / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)
175. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ca / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

176. Energy range of data set does not match cross section range
reaction label 11: n[multiplicity:'2'] + Th229 + gamma / Product: gamma_ca / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7500000.0 -> 20000000.0) vs (6823650.0 -> 20000000.0)

177. Calculated and tabulated Q values disagree.
reaction label 12: n[multiplicity:'3'] + Th228 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -12087317.84985352 eV vs -1.20508e7 eV!

178. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_a / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

179. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_a / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

180. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_b / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

181. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_b / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

182. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_c / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

183. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_c / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

184. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_d / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

185. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_d / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

186. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_e / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

187. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_e / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

188. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_f / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

189. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_f / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

190. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_g / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

191. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_g / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

192. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_h / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

193. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_h / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

194. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_i / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

195. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_i / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

196. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_j / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

197. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_j / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

198. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_k / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

199. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_k / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

200. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_l / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

201. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_l / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

202. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_m / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

203. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_m / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

204. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_n / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

205. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_n / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

206. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_o / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

207. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_o / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

208. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_p / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

209. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_p / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

210. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_q / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

211. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_q / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

212. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_r / Multi-
plicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

213. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_r / Distri-
bution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

214. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_s / Multi-
plicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

215. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_s / Distri-
bution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

216. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_t / Multi-
plicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

217. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_t / Distri-
bution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

218. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_u / Multi-
plicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

219. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_u / Distri-
bution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

220. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_v / Multi-
plicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

221. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_v / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

222. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_w / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

223. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_w / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

224. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_x / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

225. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_x / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

226. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_y / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

227. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_y / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

228. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_z / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

229. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_z / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

230. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_aa / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

231. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_aa / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

232. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ab / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

233. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ab / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

234. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ac / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

235. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ac / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

236. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ad / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

237. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ad / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

238. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ae / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

239. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ae / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

240. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_af / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

241. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_af / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

242. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ag / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

243. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ag / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

244. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ah / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

245. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ah / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

246. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ai / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

247. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ai / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

248. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma__aj / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

249. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma__aj / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

250. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma__ak / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

251. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma__ak / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

252. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma__al / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

253. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma__al / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

254. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma__am / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

255. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma__am / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

256. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma__an / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

257. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_an / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

258. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ao / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

259. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ao / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

260. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ap / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

261. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ap / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

262. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_aq / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

263. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_aq / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

264. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ar / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

265. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ar / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

266. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_as / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

267. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_as / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

268. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_at / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

269. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_at / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

270. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_au / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

271. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_au / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

272. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_av / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

273. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_av / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

274. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_av / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

275. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_aw / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

276. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ax / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

277. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ax / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

278. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ay / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

279. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ay / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

280. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_az / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

281. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_az / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

282. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ba / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

283. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ba / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

284. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bb / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

285. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bb / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

286. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bc / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

287. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bc / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

288. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bd / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

289. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bd / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

290. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_be / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

291. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_be / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

292. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bf / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

293. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bf / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

294. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bg / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

295. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bg / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

296. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bh / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

297. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bh / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

298. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bi / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

299. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bi / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

300. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bj / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

301. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bj / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

302. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bk / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

303. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bk / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

304. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bl / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

305. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bl / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

306. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bm / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

307. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bm / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

308. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bn / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

309. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bn / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

310. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bo / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

311. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bo / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

312. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bp / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

313. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bp / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

314. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bq / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

315. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bq / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

316. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_br / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

317. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_br / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

318. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bs / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

319. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bs / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

320. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bt / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

321. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bt / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

322. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bu / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

323. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bu / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13500000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

324. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bv / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

325. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bv / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

326. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bw / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

327. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bw / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

328. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bx / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

329. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bx / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

330. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_by / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

331. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_by / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

332. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bz / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

333. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_bz / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

334. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ca / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

335. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_ca / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

336. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_cb / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

337. Energy range of data set does not match cross section range
reaction label 12: n[multiplicity:'3'] + Th228 + gamma / Product: gamma_cb / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (14000000.0 -> 20000000.0) vs (12103700.0 -> 20000000.0)

338. Calculated and tabulated Q values disagree.
reaction label 13: n[multiplicity:'4'] + Th227 + gamma (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: -19192622.85742188 eV vs -1.91562e7 eV!
339. Calculated and tabulated Q values disagree.
reaction label 15: Th231 + gamma (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 5081543.758422852 eV vs 5118020. eV!
340. Multiplicity does not match sum of linked product multiplicities!
multiplicitySum label 12: n + (Th230_c ->Th230 + gamma) total gamma multiplicity (Error # 0): summedMultiplicityMismatch
- WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 39.61%
341. Multiplicity does not match sum of linked product multiplicities!
multiplicitySum label 13: n[multiplicity:'2'] + Th229 + gamma total gamma multiplicity (Error # 0): summedMultiplicityMismatch
- WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 75.32%
342. Multiplicity does not match sum of linked product multiplicities!
multiplicitySum label 14: n[multiplicity:'3'] + Th228 + gamma total gamma multiplicity (Error # 0): summedMultiplicityMismatch
- WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 99.99%
343. Multiplicity does not match sum of linked product multiplicities!
multiplicitySum label 15: n[multiplicity:'4'] + Th227 + gamma total gamma multiplicity (Error # 0): summedMultiplicityMismatch
- WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 100.00%
344. Calculated and tabulated Q values disagree.
fissionComponent label 0: /reactionSuite/fissionComponents/fissionComponent[@label='0'] (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 215214023677.3477 eV vs 1.803977e8 eV!
345. Calculated and tabulated Q values disagree.
fissionComponent label 1: /reactionSuite/fissionComponents/fissionComponent[@label='1'] (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 215214023677.3477 eV vs 1.803977e8 eV!
346. Calculated and tabulated Q values disagree.
fissionComponent label 2: /reactionSuite/fissionComponents/fissionComponent[@label='2'] (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 215214023677.3477 eV vs 1.803977e8 eV!
347. Calculated and tabulated Q values disagree.
fissionComponent label 3: /reactionSuite/fissionComponents/fissionComponent[@label='3'] (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 215214023677.3477 eV vs 1.803977e8 eV!

348. A covariance matrix was not positive semi-definite, so it has negative eigenvalues.
Section 21 (n + Th230 [angular distribution]): / Form 'eval': / LegendreLValue L=1 vs 1 (Error # 0): Bad evs

WARNING: 9 negative eigenvalues! Worst case = -5.101644e-05

• njoy2012 Warnings:

1. In some evaluations, the partial fission reactions MT=19, 20, 21, and 38 are given in File 3, but no corresponding distributions are given. In these cases, it is assumed that MT=18 should be used for the fission neutron distributions.
heatr...prompt kerma (0): HEATR/hinit (3)

---message from hinit---mt19 has no spectrum
mt18 spectrum will be used.

2. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (1): HEATR/hinit (4)

---message from hinit---mf6, mt 16 does not give recoil za= 90229
one-particle recoil approx. used.

3. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (2): HEATR/hinit (4)

---message from hinit---mf6, mt 17 does not give recoil za= 90228
one-particle recoil approx. used.

4. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (3): HEATR/hinit (4)

---message from hinit---mf6, mt 37 does not give recoil za= 90227
one-particle recoil approx. used.

5. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (4): HEATR/hinit (4)

---message from hinit---mf6, mt 51 does not give recoil za= 90230
one-particle recoil approx. used.

6. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (5): HEATR/hinit (4)

---message from hinit---mf6, mt 52 does not give recoil za= 90230
one-particle recoil approx. used.

7. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (6): HEATR/hinit (4)

---message from hinit---mf6, mt 53 does not give recoil za= 90230
one-particle recoil approx. used.

8. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (7): HEATR/hinit (4)

- message from hinit---mf6, mt 54 does not give recoil za= 90230
one-particle recoil approx. used.
9. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (8): HEATR/hinit (4)
- message from hinit---mf6, mt 55 does not give recoil za= 90230
one-particle recoil approx. used.
10. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (9): HEATR/hinit (4)
- message from hinit---mf6, mt 56 does not give recoil za= 90230
one-particle recoil approx. used.
11. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (10): HEATR/hinit (4)
- message from hinit---mf6, mt 57 does not give recoil za= 90230
one-particle recoil approx. used.
12. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (11): HEATR/hinit (4)
- message from hinit---mf6, mt 58 does not give recoil za= 90230
one-particle recoil approx. used.
13. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (12): HEATR/hinit (4)
- message from hinit---mf6, mt 59 does not give recoil za= 90230
one-particle recoil approx. used.
14. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (13): HEATR/hinit (4)
- message from hinit---mf6, mt 91 does not give recoil za= 90230
one-particle recoil approx. used.
15. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (14): HEATR/hinit (4)
- message from hinit---mf6, mt102 does not give recoil za= 90231
photon momentum recoil used.
16. There is a problem with the fission energy release.
heatr...prompt kerma (29): HEATR/nheat (3)
- message from nheat---changed q from 1.803977E+08 to 1.718641E+08
for mt 18
17. Coefficient mismatch of some sort
covr...process covariance data (1): COVR/matshd (2)
- message from matshd---processing of mat/mt 9034/ 4 vs. mat1/mt1 9034/ 54
largest coefficient= -1.39468E+01 at index 437 590

18. The number of coefficients is too big.
covr...process covariance data (2): COVR/matshd (3)

```
---message from matshd--- 95 coefficients > 1  
reset and continue.
```

19. The number of coefficients was too large in a covariance
covr...process covariance data (3): Cov:Too many coeff.

```
---message from matshd--- 221 coefficients > 2  
reset and continue
```

20. Coefficient mismatch of some sort
covr...process covariance data (4): COVR/matshd (2)

```
---message from matshd---processing of mat/mt 9034/ 54 vs. mat1/mt1 9034/ 54  
largest coefficient= 7.63306E+01 at index 590 591
```

21. The number of coefficients was too large in a covariance
covr...process covariance data (5): Cov:Too many coeff.

```
---message from matshd--- 528 coefficients > 1  
reset and continue.
```

22. The number of coefficients was too large in a covariance
covr...process covariance data (6): Cov:Too many coeff.

```
---message from matshd---5186 coefficients > 2  
reset and continue
```

- **xsectplotter** Errors:

1. ENDF format insists that all outgoing fission neutrons, delayed or otherwise, have spectra. For delayed neutrons this is tough.
(Error # 2): No delayed n dist

WARNING: More than one delayed fission neutron decay time but no MF = 5 data